

## PATENT APPLICATION

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re application of	)	
	)	
Applicant: David I. Shapiro-Ilan et al.	)	
	)	
Title: Application of Entomopathogenic	)	Group Art Unit:
Nematode-Infected Cadavars from	)	
Hard-Bodied Arthropods for Insect	)	
Suppression	)	
	)	
Serial No.:	)	Examiner:
	)	
Docket No.: 0070.03	)	
	)	
Filed:	)	

DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. 1.56

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. 1.56 Applicants herewith submit documents believed to be relevant to the above-identified patent application. The documents are listed on form PTO-1449 attached hereto. A copy of each document is enclosed.

This Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; or (iii) the above information constitutes prior art in the subject invention.

REFERENCES

1. U.S. Patent 6,474,259 B1, Randy Gaugler, Nov. 5, 2002.
2. Shapiro-Ilan, D.I., et al., "Formulation of Entomopathogenic Nematode-Infected Cadavers", J. Invertebrate Pathology, Vol. 78, pp. 17-23, 2001.
3. Shapiro, D.I., et al., "Comparison of Entomopathogenic Nematode Infectivity from Infected Hosts Versus Aqueous Suspension", Environmental Entomology, Vol. 28(5), pp. 907-911, October 1999.
4. Shapiro, D.I., et al., "Susceptibility of *Diaprepes abbreviatus* (Coleoptera: Curculionidae) Larvae to Different Rates of Entomopathogenic Nematodes in the Greenhouse", Florida Entomologist, Vol. 83(1), pp. 1-9, March 2000.
5. Jansson, R.K., et al., "Field Efficacy and Persistence of Entomopathogenic Nematodes (Rhabditida: Steinernematidae, Heterorhabditidae) for Control of Sweetpotato Weevil (Coleoptera: Apionidae) in Southern Florida", J. Economic Entomology, Vol. 86(4), pp. 1055-1063, August 1993.
6. Parkman, J.P., et al., "Establishment and Persistence of *Steinernema scapterisci* (Rhabditida: Steinernematidae) in Field Populations of *Scapteriscus* spp. Mole Crickets (Orthoptera: Gryllotalpidae)", J. Entomol. Sci., Vol. 28(2), pp. 182-190, 1993.
7. Shapiro, D.I., et al., "Comparison of Entomopathogenic Nematode Dispersal from Infected Hosts Versus Aqueous Suspension", Environmental Entomology, Vol. 25(6), pp. 1455-1461, December 1996.
8. Welch, H.E., et al., "Field Experiment on the Use of a Nematode for the Control of Vegetable Crop Insects", Proc. Entomol. Soc. Ontario, Vol. 91, pp. 197-202, 1960.
9. Creighton, C.S., et al., "*Heterorhabditis* sp. (Nematoda: Heterorhabditidae): A Nematode Parasite Isolated from the Banded Cucumber Beetle *Diabrotica balteata*", J. Nematology, Vol. 17(2), pp. 150-153, 1985.
10. Jansson, R.K., et al., "Application Methods for Entomopathogenic Nematodes (Rhabditida: Heterorhabditidae): Aqueous Suspension Versus Infected Cadavers", Florida Entomologist, Vol. 77(2), pp. 281-284, June 1994.
11. Wilson, M.J., et al., "Laboratory Tests of the Potential of Entomopathogenic Nematodes for the Control of Field Slugs (*Deroceras reticulatum*)", J. Invertebrate Pathology, Vol. 64, pp. 182-187, 1994.

12. Shapiro-Ilan, D.I., et al., "Factors Affecting Commercial Success: Case Studies in cotton, Turf and Citrus", IN: Entomopathogenic Nematology, R. Gaugler, Ed., pp. 333-356, 2002, CABI, New York, NY.
13. Shapiro-Ilan, D.I., et al., "Formulation of Entomopathogenic Nematode-Infected Cadavers", J. Invertebrate Pathology, Vol. 78, pp. 17-23, 2001.
14. Shapiro-Ilan, D.I., et al., "Superior Efficacy Observed in Entomopathogenic Nematodes Applied in Infected-Host Cadavers Compared with Application in Aqueous Suspension", J. Invertebr. Pathol., Vol. 83, pp. 270-272, 2003.
15. Shapiro-Ilan, D.I., et al., "Production Technology for Entomopathogenic Nematodes and their Bacterial Symbionts", J. Industrial Microbiology, Vol. 28, pp. 137-146, 2002.
16. Rueda, L.M., et al., "Natural Occurrence of Entomogenous Nematodes in Tennessee Nursery Soils", J. Nematology, Vol. 25(2), pp. 181-188, 1993.

Respectfully submitted,

December 2, 2003  
Date

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Enclosures  
PTO-1449 (4 pages)  
16 References

cc: J. Fado  
D. Shapiro-Ilan

FORM PTO-1449 U.S. Department of Commerce  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.  
**0070.03**

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**David I. Shapiro-Ilan et al.**

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GROUP

**U.S. PATENT DOCUMENTS**

EXAMINE R INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
	6 4 7 4 2 5 9	Nov. 5, 2002	Gaugler	119	6.7	

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION
					YES NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Shapiro-Ilan, D.I., et al., "Formulation of Entomopathogenic Nematode-Infected Cadavers", <u>J. Invertebrate Pathology</u> , Vol. 78, pp. 17-23, 2001.
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